Title (en)
VIDEO DISPLAY APPARATUS AND VIDEO DISPLAY METHOD

Title (de)
VIDEOANZEIGEVORRICHTUNG UND VIDEOANZEIGEVERFAHREN

Title (fr)
APPAREIL ET PROCEDE D'AFFICHAGE VIDEO

Publication
EP 1383104 B1 20110504 (EN)

Application
EP 02720510 A 20020419

Priority
- JP 0203900 W 20020419
- JP 2001128094 A 20010425
- JP 2001165052 A 20010531

Abstract (en)
[origin: US2003146919A1] An APL detection unit (2) detects the APL for each unit field time period of an input video signal (1), and a light source control data production unit (3) produces, depending on the results of the APL detection, a light source control signal at a minimum level which can stably drive a light source (6) when the APL is 0% up to a predetermined value A1, a light source control signal at a maximum level which can stably drive the light source (6) when the APL is a predetermined value A2 up to 100%, and a light source control signal which dynamically varies depending on the APL when the APL is the predetermined value A1 up to the predetermined value A2, to drive the light source (6) on the basis of the light source control signal, thereby making it possible to mitigate the lack of a contrast feeling and the occurrence of a floating blackness as well as to improve the reliability of the light source (6).

IPC 8 full level
G09G 3/34 (2006.01); **H04N 5/74** (2006.01); G09G 3/36 (2006.01); G09G 5/10 (2006.01); H04N 5/57 (2006.01)

CPC (source: EP US)
G09G 3/3406 (2013.01 - EP US); **H04N 5/74** (2013.01 - EP US); **H04N 21/44008** (2013.01 - EP US); G09G 3/36 (2013.01 - EP US); G09G 5/10 (2013.01 - EP US); G09G 2320/0633 (2013.01 - EP US); G09G 2320/0653 (2013.01 - EP US); G09G 2320/066 (2013.01 - EP US); G09G 2360/16 (2013.01 - EP US); H04N 5/57 (2013.01 - EP US); H04N 21/4318 (2013.01 - EP US)

Cited by
EP2760013A1; EP1983504A4; US7683857B2; US9293088B2; US8547404B2; EP2133861A2

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
US 2003146919 A1 20030807; **US 7093941 B2 20060822**; CA 2415340 A1 20030108; CA 2415340 C 20060516; CN 1307608 C 20070328; CN 1462425 A 20031217; DE 60239930 D1 20110616; EP 1383104 A1 20040121; EP 1383104 A4 20040609; EP 1383104 B1 20110504; WO 02089106 A1 20021107

DOCDB simple family (application)
US 31192502 A 20021220; CA 2415340 A 20020419; CN 02801381 A 20020419; DE 60239930 T 20020419; EP 02720510 A 20020419; JP 0203900 W 20020419